

Title (en)
CARDING MACHINE

Title (de)
KARDE

Title (fr)
CARDE

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Abstract (en)
[origin: CN111719203A] The invention relates to a carding machine for treating fibers, comprising a drum (3) having a drum circumference, a drum surface (23) and a working width (A). A carding element (12) and a separating element (13, 14, 15) for separating fibers in parallel are arranged opposite a drum surface (23) of a drum (3), which can be rotated about an axis of rotation (4) in a direction of rotation (17) in order to separate dirt fragments and staple fibers. The separating elements (13, 14, 15) are provided with suction conduits (25), the circumference of which is divided into a pre-carding region (9), a main carding region (5), a rear carding region (10) and a sub-carding region (11). The carding element (12) and the separating element (13, 14, 15) span over the entire working width (A). At least one separating element (13, 14, 15) having a main body (24), a suction line (25) and a blade element (26) is arranged in the rear carding region (10), the pre-carding region (9) or the sub-carding region (11). The blade element (26) has a plurality of outlet openings (27) and blades (28) associated with the outlet openings (27), and at least one air guide element (29) is arranged between the suction channel (25) and the blade element (26).

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